26149  
PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Roeck, et al.

Attorney Docket No.: CISCPI23/1688

Application No.: 09/484,610

Examiner: SLOAN, NATHAN A

Filed: January 18, 2000

Group: 2614

Title: INTELLIGENT POWER LEVEL  
ADJUSTMENT FOR CABLE MODEMS  
IN PRESENCE OF NOISE

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail to: Commissioner for Patents, Washington, DC 20231 on February 7, 2003.

Signed: 

Leslie Russell

AMENDMENT TRANSMITTAL

RECEIVED

Commissioner for Patents  
Washington, DC 20231

FEB 25 2003

Sir:

Technology Center 2600

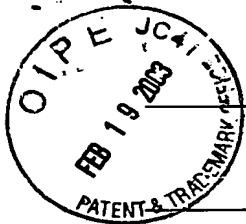
Transmitted herewith is an Amendment in the above-identified application.

The fee has been calculated as shown below.

	Claims After Amendment		Highest Previously Paid For	Present Extra	Small Entity Rate Fee	Large Entity Rate Fee
Total Claims	42	MINUS	35	7	x 9 =	x 18 = 126.00
Independent Claims	8	MINUS	6	2	x 42 =	x 84 = 168.00
Multiple Dependent Claim Present and Fee Not Previously Paid					\$140.00	\$280.00
Total					\$	\$294.00

- ☐ Applicant(s) hereby petition for a \_\_\_\_\_ month extension(s) of time to respond to the aforementioned Office Action.
- ☒ Applicant(s) believe that no (additional) Extension of Time is required; however, if it is determined that such an extension is required, Applicant(s) hereby petition that such an extension be granted and authorize the Commissioner to charge the required fees for an Extension of Time under 37 CFR 1.136 to Deposit Account No. 500388.
- ☒ Enclosed is our Check No. 6870 in the amount of \$294.00 to cover the additional claim fees.
- ☒ Please charge the required fees, or any additional fees required to facilitate filing the enclosed response, to Deposit Account No. 500388 (Order No. CISCPI23).

Respectfully submitted,  
BEYER WEAVER & THOMAS, LLPHaruo Yawata  
Limited Recognition under 37 CFR §10.9(b)P.O. Box 778  
Berkeley, CA 94704-0778



4/A  
J. Douglas  
2/27/03

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In re application of: Roeck, et al.

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Signed:

*Leslie Russell*  
Leslie Russell

AMENDMENT A

RECEIVED

FEB 25 2003

Technology Center 2600

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated December 20, 2002, please amend the above-identified patent application as follows:

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 2, line 4, with the following rewritten paragraph:

-- The main distribution component of HFC cable system 101 is a hub 102 (also referred to as the "head-end") which can typically service about 40,000 subscribers or end-users. Hub 102 contains several components, most notably CMTS 104. From CMTS 104, separate downstream and upstream lines are used for sending and receiving data. Downstream signals pass through an upconverter 123 and onto other components on their way to destination cable modems. Upconverter 123 converts the frequency at which downstream signals are carried. All data from CMTS 104 is carried in an "intermediate frequency" that is independent of both channel and service. Upconverter 123 converts intermediate frequency signals channel specific radio frequency signals. The downstream RF signals are broadcast over the cable plant and ultimately received at the cable modems. This figure shows cable modems as blocks 105, 106,

02/21/2003 RHEBBAHT 00000049 09484610 168.00 OP  
01 FC:1201 126.00 OP  
02 FC:1202

A!  
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